

Amendments to the Specification: ¹

Please replace paragraph [Para 2] under the heading "Cross Reference to Related Applications" with the following paragraph.

This application is a Division of U.S. Patent Application No. 10/248,056, filed December 13, 2002, now US Patent 7150922, which is a Continuation-in-Part of US Patent Application No. 09/524,227, filed March 13, 2000, now abandoned, and claims the benefit of U.S. Provisional Application No. 60/415,395, filed October 2, 2002.

Please replace [Para 38] with the following amended paragraph:

From the above, it was concluded that the oxidation resistance of an NiAl overlay bond coat, and therefore the spallation resistance of a TBC deposited on the bond coat, could be achieved by

¹ All references to pages and paragraphs in Applicant's electronically-filed application are those inserted by the USPTO authoring software.

eliminating grain boundaries (leaders) that are open to the coating surface and ~~by eliminating~~ decorated with Zr-rich precipitates. The investigations into the effects of deposition temperature indicated that this object could be at least partially accomplished through the use of deposition temperatures above 1000°C, possibly as low as about 900°C, but preferably above 1050°C, at which recrystallization of NiAl coatings occurs during deposition by PVD processes.